

## Message Text

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PAGE 01 STATE 174131  
ORIGIN EUR-12

INFO OCT-01 ISO-00 DODE-00 CIAE-00 PM-05 INR-10 L-03  
ACDA-12 NSAE-00 PA-02 SS-15 SP-02 TRSE-00 NSCE-00  
SSO-00 ICAE-00 INRE-00 OMB-01 /063 R

DRAFTED BY OASD/C3I: NGRAY

APPROVED BY EUR/RPM: EREHFELD

OASD/ISA: CAPT. MCMICHAEL

NAVELEX: MR. BLAKELY

CNO: CDR. BARBER

COMNAVTELCOM: MR. PECARDI

-----093792 112239Z /64

O R 111606Z JUL 78  
FM SECSTATE WASHDC  
TO USMISSION USNATO IMMEDIATE  
INFO NAVELEXSENGCEN PORTSMOUTH VA  
USLOSACLANT NORFOLK VA

UNCLAS STATE 174131

E.O. 11652: N/A

TAGS: NATO, ETEL, MARR

SUBJECT: NATO SATCOM TAIL NORFOLK

REFS: (A) USNATO 6460, DTG 281757Z JUN 78  
(B) USNATO 6679, DTG 061640Z JUL 78

1. FOLLOWING COMMENTS RESPOND TO ISSUES RAISED IN REF A:

A. AVAILABILITY OF LAND FOR RELAY TOWER: AVAILABLE  
LAND ON THE US NAVAL BASE IS AT A PREMIUM, BUT IT IS  
REASONABLE TO ASSUME THAT THE US CAN PROVIDE A LOCATION  
FOR A LOS REPEATER. A SITE SURVEY PINPOINTING THE  
EXACT LOCATION OF TOWER IS NEEDED PRIOR TO REQUESTING  
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SPACE. FUNDING TO PERFORM THE SITE SURVEY AND ASSOCIATED  
WORK WILL BE REQUIRED.

B. COST PER METER FOR FIBER OPTIC CABLE. NEW COST  
ESTIMATES RECEIVED FROM VENDORS. OUR REVISED ESTIMATES  
ARE 12 DOLLARS PER METER NORTHWEST AND 18 DOLLARS  
PER METER AT NORFOLK.

C. PRICES FOR KG-81. FIGURES IN TYPE B ESTIMATE ARE THE LATEST AVAILABLE.

D. REQUIREMENT FOR STATION CLOCKS. OUR INVESTIGATION SHOWS THAT EXTERNAL STATION CLOCKS CAN BE DELETED. COST ESTIMATES ARE REVISED ACCORDINGLY.

E. COST SHARING OF FIBER OPTIC CABLES: TYPE B ESTIMATE IS BASED ON 120 CHANNELS. 8 OF THE 120 CHANNELS WILL BE RESERVED FOR US USE AS STATED IN PARAGRAPH 2.5 OF US TYPE B ESTIMATE. TOTAL COST OF SYSTEM TO NATO WILL BE REDUCED BY ONE-FIFTEENTH TO ACCOUNT FOR US USAGE.

F. US NATIONALIZATION OFFER.

(1) THE US WILL ASSUME FULL RESPONSIBILITY FOR THE INTERIM LEASING COSTS IF US PROPOSED SOLUTION IS ADOPTED.

(2) ADJUSTED COST ESTIMATE FOR 120 CHANNEL US SOLUTION FOLLOWS:

ELECTRONIC/COMMUNICATIONS EQUIPMENT 491,367

STATION CLOCK DELETED  
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COMMERCIAL 1ST LEVEL MULTIPLEX USED  
INCLUDES MISC MINOR ITEMS AND OPTICS CABLE

CIVIL WORKS 75,800

INSTALLATION, SPARES, TEST EQUIPMENT 261,246

CONTINGENCIES 82,841

NAE FEES 41,420

TOTAL 952,674

(INCLUDES END-TO-END BULK ENCRYPTION)

G. NATO-ONLY SOLUTION.

(1) INTERIM LEASING COSTS TO BE BORNE BY NATO INCLUDE AN ESTIMATED ONE TIME COST OF 163,000 DOLLARS PLUS 2,600 DOLLARS PER MONTH.

(2) US CONSIDERS NATO 2-HOP SYSTEM OVER INTERNATIONAL

PIER AREA AND SHIP LOADING CRANES AS RISKY? OF THIS

PROPOSAL IS TO BE CONSIDERED, A SPECIALLY EQUIPPED FILED SURVEY TEAM MUST CONDUCT AN ON SITE SURVEY. ADDITIONALLY, THERE IS A HIGH POSSIBILITY OF A REQUIREMENT FOR HOT ON AIR TESTS AFTER SURVEY. SINCE NO TOWER IS PRESENTLY AT NH-95, THIS TEST WILL BE COSTLY. TIME FRAME TO LET CONTRACT, ESTABLISH TEST BED, RUN TESTS, AND RECEIVE TECHNICAL REPORT ESTIMATED AT 6-9 MONTHS. FUNDING TO PERFORM THE SITE SURVEY AND ASSOCIATED WORK WILL BE REQUIRED.

2. FOLLOWING COMMENTS RESPOND TO ISSUES RAISED BY  
REF B.  
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A. WE CONSIDER DRAMA ESTIMATE FOR 3-HOP SYSTEM TO BE LOW SINCE THERE DOES NOT APPEAR TO BE PROVISION FOR ORDER WIRE, BATTERY SYSTEMS, ETC.

B. WE HAVE NO COMMENT ON ANNEX B, PROVIDED ORDER WIRE, BATTERY SYSTEMS, ETC., ARE INCLUDED.

3. IF DESIRABLE, WE CAN PROVIDE REVISED TYPE B ESTIMATE BASED ON ABOVE INFORMATION.

CHRISTOPHER

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NNN

## Message Attributes

**Automatic Decaptoning:** X  
**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** ALLIANCE, ELECTRONIC EQUIPMENT, MILITARY COMMUNICATIONS  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 11 jul 1978  
**Decapton Date:** 01 jan 1960  
**Decapton Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 jan 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1978STATE174131  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** NGRAY  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Expiration:**  
**Film Number:** D780284-0460  
**Format:** TEL  
**From:** STATE  
**Handling Restrictions:** n/a  
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**Legacy Key:** link1978/newtext/t19780773/aaaacjul.tel  
**Line Count:** 148  
**Litigation Code IDs:**  
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**Litigation History:**  
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**Message ID:** 38eace77-c288-dd11-92da-001cc4696bcc  
**Office:** ORIGIN EUR  
**Original Classification:** UNCLASSIFIED  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
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**Previous Channel Indicators:** n/a  
**Previous Classification:** n/a  
**Previous Handling Restrictions:** n/a  
**Reference:** 78 USNATO 6460, 78 USNATO 6679  
**Retention:** 0  
**Review Action:** RELEASED, APPROVED  
**Review Content Flags:**  
**Review Date:** 15 apr 2005  
**Review Event:**  
**Review Exemptions:** n/a  
**Review Media Identifier:**  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**SAS ID:** 2049576  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** NATO SATCOM TAIL NORFOLK  
**TAGS:** ETEL, MARR, NATO  
**To:** USNATO  
**Type:** TE  
**vdkgvgwkey:** odbc://SAS/SAS.dbo.SAS\_Docs/38eace77-c288-dd11-92da-001cc4696bcc  
**Review Markings:**  
Sheryl P. Walter  
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